

What is claimed is:

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1. A radio frequency plasma display panel, comprising:
a plurality of dielectric patterns formed on a
substrate to have a convex surface;
a first electrode formed on the dielectric patterns
and the substrate;
a second electrode for causing a discharge along with
the first electrode; and
a dielectric layer provided between the first and
second electrodes to make an insulation between the first
and second electrodes.
 2. The radio frequency plasma display panel as claimed in
claim 1, wherein the first electrode has lands and grooves
complying with a wave shape made by the surfaces of the
dielectric patterns and the substrate.
 3. The radio frequency plasma display panel as claimed in
claim 1, wherein the dielectric layer is entirely
deposited on the substrate provided with the first
electrode and the dielectric patterns to have a wave-
shaped surface.
 4. The radio frequency plasma display panel as claimed in
claim 1, wherein the first and second electrodes cross
each other with having the dielectric layer therebetween.
 5. The radio frequency plasma display panel as claimed in
claim 4, wherein each of the plurality of dielectric
patterns is formed in a stripe shape in a direction
parallel to the second electrode.

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6. The radio frequency plasma display panel as claimed in claim 1, wherein a width of the dielectric pattern is adjusted to control a discharge distance between the first and second electrodes.

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7. The radio frequency plasma display panel as claimed in claim 1, wherein the first electrode is an address electrode to which a data signal is applied, and the second electrode is a scanning electrode to which a scanning pulse synchronized with the data signal is applied.

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8. The radio frequency plasma display panel as claimed in claim 7, further comprising:

15 a radio frequency electrode coupled with a radio frequency signal to cause a discharge along with the second electrode.

9. A radio frequency plasma display panel, comprising:

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a first electrode formed on a substrate;

a second electrode crossing the first electrode to cause a discharge along with the first electrode; and

25 a dielectric pattern, being patterned between the first and second electrodes to have a desired shape, for making an insulation between the first and second electrodes.

10. The radio frequency plasma display panel as claimed in claim 9, wherein a thickness of the dielectric pattern is adjusted to control a leakage current between the first and second electrodes.

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11. The radio frequency plasma display panel as claimed

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in claim 9, further comprising:

a dielectric layer coated entirely on the substrate provided with the first and second electrodes and the dielectric pattern.

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12. The radio frequency plasma display panel as claimed in claim 9, wherein the dielectric pattern is formed in a stripe shape.

10 13. The radio frequency plasma display panel as claimed in claim 9, wherein the dielectric pattern is patterned in a island shape at an intersection between the first and second electrodes.

15 ~~14~~ 14. The radio frequency plasma display panel as claimed in claim 9, wherein the first electrode is an address electrode to which a data signal is applied, and the second electrode is a scanning electrode to which a scanning pulse synchronized with the data signal is applied.

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15. The radio frequency plasma display panel as claimed in claim 14, further comprising:

a radio frequency electrode coupled with a radio frequency signal to cause a discharge along with the second electrode.

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16. A method of fabricating a radio frequency plasma display panel, comprising the steps of:

30 entirely coating a dielectric material on a substrate;

patterning the dielectric material to have a convex surface;

forming a first electrode crossing the dielectric pattern on the substrate;

entirely coating a dielectric layer on the substrate provided with the dielectric pattern and the first
5 electrode; and

forming a second electrode on a concave groove area in the dielectric layer having a wave shape with lands and grooves in such a manner to cross the first electrode.

10 17. The method as claimed in claim 16, further comprising the step of:

entirely coating a second dielectric layer on the substrate provided with the dielectric pattern, the dielectric layer and the electrodes in such a manner to
15 have an even surface.

18. The method as claimed in claim 17, wherein the dielectric pattern is printed on the substrate using a stripe-shaped mask pattern to have a stripe shape.

20 19. A method of fabricating a radio frequency plasma display panel, comprising the steps of:

forming a first electrode on a substrate;
entirely coating a dielectric material on the
25 substrate provided with the first electrode;
patterning the dielectric material to have a desired shape; and

forming a second electrode on the substrate in such a manner to cross the first electrode with having the
30 dielectric pattern therebetween.

20. The method as claimed in claim 19, further comprising the step of:

entirely coating a dielectric material on the substrate provided with the dielectric pattern and the electrodes.

5 21. The method as claimed in claim 19, wherein the dielectric pattern is patterned to have a stripe shape in a direction parallel to the second electrode.

10 22. The method as claimed in claim 19, wherein the dielectric pattern is patterned in an island shape at an intersection between the first and second electrodes.

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